

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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SERIAL NO.:

FILED: Herewith

TITLE: NAILER WITH IMPROVED SPACER ACTUATOR

Preliminary Amendment: CLAIM AMENDMENTS

1. (Currently amended) A nailer with improved spacer actuator design comprising:

a nailer body; with a pedestal board provided at ~~the~~ an outlet of ~~the~~ a bottom thereof;

a spacer actuator ~~design, which generally comprises~~ comprised of a container tube and a flexible propelling unit. ~~The hollow tube of the, said container tube is being hollowing and being used to superpose the spacers of the nailer. And, the, a bottom of the container tube shall be being fastened securely to a preset pedestal board at the a bottom of the nailer, where the a spacer at the a base of said container tube will move towards the said outlet of the nailer. The features include:~~

————— a liftable cover, ~~which allows~~ allowing a shaft axle to screw one side into ~~the~~ a top of the container tube. ~~In ; wherein, in~~ the case of a closing state of the cover, the hollow trough ~~can be connected~~ connects to the an open-top hollow tube of the container tube. ~~An , enclosed surface is being arranged at the top of the hollow trough while a L-shape guide trough is mounted at one side wall of the hollow trough. Moreover, ; and wherein~~ a wedge groove is placed at the end of L-shape guide trough, where a vertical guide trough is provided at one side wall of the container tube's hollow tube. ~~In ; and wherein, in~~ the case of a closing state of the cover, the top end of the vertical

guide trough ~~will be connected~~ connects to L-shape guide trough. ~~Still, and~~ a fixation component is provided at ~~the other~~ another side of ~~the~~ a cover to ensure ~~the fixation of the closed cover thereof;~~

a propelling unit, ~~which comprises~~ comprised of a propelling block, a spring and a control board. ~~The, said~~ propelling block ~~is being~~ placed at the bottom of the hollow trough of the cover, the control board ~~is being~~ provided at the inner side of the propelling block and the spring ~~is being~~ mounted between the control board and inner wall of hollow trough to push down the propelling block flexibly. ~~The, wherein an~~ outer face of the control board is provided with a toggle switch that protrudes from L-shape guide trough. ~~When; and wherein~~ the toggle switch is screwed into the wedge groove of L-shape guide trough, the propelling block will be fixed to avert the spring into a compressing state; ~~When; and wherein~~ the toggle switch shifts out of the wedge groove of L-shape guide trough, the propelling block ~~will slide~~ slides downwards along the hollow tube of the container tube and place the spring into an extending state, thereby pressing and superposing flexibly the spacers within the hollow tube.

2. (Currently amended) The spacer actuator design of a nailer defined in Claim 1, wherein a fixation component of the said cover is ~~designed with~~ comprised of a rotary rod hook. ~~The, a~~ pivot point of the rod hook ~~is being~~ provided at the lower part of the middle section while the bottom hook of the rod hook extends to one side of the top end of the container tube. ~~A; and wherein a~~ spring reposition component is provided between the inner side of the top of rod hook and the concave at one side of the cover, where it can flexibly push out the top end of the rod hook, namely the bottom hook of the rod hook can flexibly rotate inwards. ~~The, said~~ container tube ~~is being~~ provided with a

wedge position at one side of its top end, which is used to fix the bottom hook of the rod hook when the latter one rotates inwards.

3. (Currently amended) The spacer actuator design of a nailer defined in Claim 1, wherein an everting inclined plane is provided at the top end of the container tube facing the connection surface of the said cover. ~~Thereupon,; wherein,~~ when the cover is opened with a preset angle, the container tube can be fixed with one side of the cover abutting upon the above-mentioned inclined plane.

4. (Currently amended) The spacer actuator design of a nailer defined in Claim 1, wherein the peripheral bottom of the said propelling block ~~is designed with~~ has a ring-shaped oblique plane.

5. (Currently amended) The spacer actuator design of a nailer defined in Claim 1, wherein the pedestal board of the said nailer is ~~provided with~~ comprised of a flexible spacing unit between the container tube and outlet of nailer. ~~The~~ and wherein said spacing unit comprises a fastener post, a spring and a container base, of which the bottom of the fastener post inserts into the pedestal board while its top is fastened within the container base for the operation of the spring under its upper wall. ~~Thereupon, the; and wherein a~~ bottom of the fastener post ~~is designed with~~ has a flexible convex shape, which can flexibly abut upon the spacer of the pedestal board, so as to prevent the spacer from sliding backwards.